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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/600,690

06/20/2003

Charu C. Aggarwal

YOR920030004US1

6717

7590

05/03/2006

Ryan, Mason & Lewis, LLP
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Locust Valley, NY 11560

EXAMINER

PHAN, THAI Q

ART UNIT

PAPER NUMBER

2128

DATE MAILED: 05/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/600,690

Applicant(s)

AGGARWAL ET AL.

Examiner

Thai Phan

Art Unit

2128

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-43 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-43 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 August 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date Nov. 2003.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

This Office action is in response to patent application S/N: 10/600,690, filed on 06/20/2003. Claims 1-43 are pending in the Action.

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 11/28/2003 was being considered.

Drawings

Formal drawings filed on 08/11/2003 has been considered and recorded in the file.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-43 are rejected under 35 U.S.C. 102(b) as being anticipated by Brown et al, US patent no. 5,477,451.

As per claim 1, Brown anticipates a method and system for translating a sequence of text structure from a first source text into a second target for structure

Art Unit: 2128

construction and classification with feature limitations very identical to the claimed invention. According to Brown, the method includes

Constructing a model of class labels and substructures with training data string and markers for labeled substructure (col. 20, line 33 to col. 21, line 40, col. 33, line 49 to col. 37, line 10),

Inserting marker into strings (cols. 17-18, 28) for structure classification of the training data,

And analyzing or predicting class labels of unmarked string of the training data set in accordance with the models (col. 44, line 63 to col. 57, line 67).

As per claim 2, Brown anticipates a set of strings and a related structure for identification, and a set of class labels to the structures.

As per claim 3, Brown anticipates marker to a header to indicate a beginning of the structure, an end of the substructure and class label as claimed.

As per claim 4, Brown anticipates loops in the structure for class labels.

As per claims 5-21, Brown anticipates the claimed limitations. Such limitations would include symbol generation, various structures such as inner substructures, nested loop structures, etc for model of class labels, structure construction, etc as claimed.

As per claim 22, Brown anticipates a method and system for translating a sequence of text structure from a first source into a second target structure for construction and classification of structures with feature limitations very identical to the claimed invention. According to Brown, the text structure classification includes means

A memory for storing texts and text structures,

Means for constructing a model of class labels and substructures with training data string and markers for labeled substructure (col. 20, line 33 to col. 21, line 40, col. 33, line 49 to col. 37, line 10),

Means for inserting marker into strings (cols. 17-18, 28) for structure classification of the training data,

And analyzing or predicting class labels of unmarked string of the training data set in accordance with the models (col. 44, line 63 to col. 57, line 67).

As per claims 23-42, due to the similarity of the claims to the rejected base claims 1-21 above, claims 23-42 are also rejected in like manner.

As per claim 43, Brown anticipates a method and system including an article of manufacture for translating a sequence of text structure from a first source text into a second target for structure construction and classification with feature limitations very identical to the claimed invention. According to Brown, the method includes means and steps:

Constructing a model of class labels and substructures with training data string and markers for labeled substructure (col. 20, line 33 to col. 21, line 40, col. 33, line 49 to col. 37, line 10),

Inserting marker into strings (cols. 17-18, 28) for structure classification of the training data,

And analyzing or predicting class labels of unmarked string of the training data set in accordance with the models (col. 44, line 63 to col. 57, line 67).

Conclusion

1. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. US patent no. 5,806,032, issued to Sproat, Richard, on Sept. 1998
2. US patent application publication no. 2003/0187643, issued to Van thong et al, on Oct. 2003
3. US patent application publication no. 2003/0216919, issued to Roushar, Joseph, on Nov. 2003
4. US patent application publication no. 2005/0191688, issued to Selifonov et al, on Sept. 2005
5. US patent application publication no. 2005/0226512, issued to Napper, Jonathon, on Oct. 2005

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Thai Phan whose telephone number is 571-272-3783.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamini Shah can be reached on 571-272-2279. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2128

3. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Apr. 24, 2006


Thai Phan
Patent Examiner
Art: 2128